

**ABSTRACT**

A method for delivering a cell to a heart of a patient comprises the steps of providing an apparatus for intracardiac drug administration comprising a catheter wherein the catheter has at least one position sensor which generates signals responsive to the position of a catheter and a drug delivery device for delivering the cell. The catheter is inserted into a chamber of the heart at a site and the cell is delivered to the site with the drug delivery device in response to the signals from the position sensor. Typical cells useful for delivery are either myoblasts or myocytes. These cells may be utilized as either an expression vector for promoting angiogenesis or for cell transplantation and fusion through myogenesis.